

## Peer-reviewed journal articles

### 1)-Shine on you crazy books: the Comprehensive Series in Photochemical & Photobiological Sciences

Trotta, Massimo;

*Photochemical & photobiological sciences (Print)* 15 (2016): 8–9.

<https://dx.doi.org/10.1039/c5pp90043c>

### 2)-A far-red emitting arylenethynylene fluorophore used as light harvesting antenna in hybrid assembly with the photosynthetic reaction center

Simona la Gatta; Omar Hassan Omar; Angela Agostiano; Francesco Milano; Rocco Roberto Tangorra; Alessandra Operamolla; Claudio Chiorboli; Roberto Argazzi; Mirco Natali; Massimo Trotta; Gianluca Maria Farinola; Roberta Ragnisubjectbiological synthesis (assembly); biomimetic (chemical reaction); biomimetic (assembly)

*MRS Advances 1* (2016): 495–500.

<https://dx.doi.org/10.1557/adv.2015.33>

### 3)-Synthetic Antenna Functioning As Light Harvester in the Whole Visible Region for Enhanced Hybrid Photosynthetic Reaction Centers

Hassan Omar O.; La Gatta S.; Tangorra R.R.; Milano F.; Ragni R.; Operamolla A.; Argazzi R.; Chiorboli C.; Agostiano A.; Trotta M.; Farinola G.M.subjectabsorption spectroscopy; covalent bond; energy conversion; light; photocatalysis; photosynthesis; Rhodobacter sphaeroides; synthesis

*Bioconjugate chemistry (Online)* 27 (2016): 1614–1623.

<https://dx.doi.org/10.1021/acs.bioconjchem.6b00175>

### 4)-Il re è nudo, la seppia invece no!

Massimo Trotta subjectSeppia subjectmateriale fotonico subjectproteine

*Sapere (Bari)* 82 (2016).

<http://www.cnr.it/prodotto/i/359296>

info:cnr-pdr/source/autori:Massimo Trotta/titolo:Il re è nudo, la seppia invece no!/  
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### 5)-Il rumore dei fagioli

Massimo Trotta subjectlegumi subjectproteine

*Sapere (Bari)* 82 (2016).

<http://www.cnr.it/prodotto/i/359298>

info:cnr-pdr/source/autori:Massimo Trotta/titolo:Il rumore dei fagioli/  
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### 6)-La proteina di Lombroso

Massimo Trotta subjectProteine

*Sapere (Bari)* 82 (2016): 52.

<http://www.cnr.it/prodotto/i/359299>

info:cnr-pdr/source/autori:Massimo Trotta/titolo:La proteina di Lombroso/

**7)-Le bollicine del ragioniere Fantozzi**

Massimo Trotta subject Carbonato anidra subject proteine

*Sapere (Bari)* 82 (2016): 52.

<http://www.cnr.it/prodotto/i/359301>

info:cnr-pdr/source/autori:Massimo Trotta/titolo:Le bollicine del ragioniere Fantozzi/

**8)-Molecular interactions, characterization and photoactivity of Chlorophyll a/chitosan/2-HP- $\beta$ -cyclodextrin composite films as functional and active ...**

Vito Rizzi; Paola Fini; Fiorenza Fanelli; Tiziana Placido; Paola Semeraro; Teresa Sibillano; Aurore Fraix; Salvatore Sortino; Angela Agostiano; Cinzia Giannini; Pinalysa Cosma. subject Foods subject films

*Food hydrocolloids* (2016).

<https://dx.doi.org/10.1016/j.foodhyd.2016.02.012>

**9)-Crystallographic analysis of the photosynthetic reaction center from Rhodospirillum rubrum bioconjugated with an artificial antenna**

Benny Danilo Belviso; Rocco Roberto Tangorra; Francesco Milano; Omar Hassan Omar; Simona la Gatta; Roberta Ragni; Angela Agostiano; Gianluca M. Farinola; Rocco Caliandro; Massimo Trotta subject macromolecular structures subject macromolecular structures subject biomimetic (assembly) subject biomimetic (assembly) subject biomimetic (assembly) subject biological synthesis (chemical reaction) subject biological synthesis chemical reaction

*MRS Advances* (2016).

<https://dx.doi.org/10.1557/adv.2016.10>

**10)-Il sangue non è acqua**

Massimo Trotta subject anguilla subject proteine

*Sapere (Bari)* 82 (2016): 52.

<http://www.cnr.it/prodotto/i/360579>

info:cnr-pdr/source/autori:Massimo Trotta/titolo:Il sangue non è acqua/

**11)-Integrin-targeting with peptide-bioconjugated semiconductor-magnetic nanocrystalline heterostructures**

Valente G.; Depalo N.; de Paola I.; Iacobazzi R.M.; Denora N.; Laquintana V.; Comparelli R.; Altamura E.; Latronico T.; Altomare M.; Fanizza E.; Striccoli M.; Agostiano A.; Saviano M.; Del Gatto A.; Zaccaro L.; Curri M.L. subject Integrin

*Nano research (Print)* 9 (2016): 644–662.

<https://dx.doi.org/10.1007/s12274-015-0944-2>

**12)-Plasmonic photoheating of gold nanorods in thermo-responsive chiral liquid crystals**

De Sio, Luciano; Placido, Tiziana; Comparelli, Roberto; Curri, Maria Lucia; Tabiryan, Nelson; Bunning, Timothy J.subjectliquid crystalssubjectnanomaterialssubjectplasmonicsubjectoptics  
*Journal of optics (Print)* 18 (2016).

<https://dx.doi.org/10.1088/2040-8978/18/12/125005>

**13)-Electrophoretic deposition of colloidal TiO<sub>2</sub> nanorods towards nano-porous thin-films**

Binetti, Enrico; Bazzanella, Nicola; Comparelli, Roberto; Miotello, AntoniosubjectSurface functionalizationsubjectNanoparticle depositionsubjectDirected-assemblysubjectAnatase  
*Materials letters (Gen. ed.)* 174 (2016): 226–229.

<https://dx.doi.org/10.1016/j.matlet.2016.03.117>

**14)-Surface Functionalized Luminescent Nanocrystals Electrostatically Assembled onto a Patterned Substrate**

Corricelli, Michela; Comparelli, Roberto; Depalo, Nicoletta; Fanizza, Elisabetta; Sadhu, Veera B.; Huskens, Jurriaan; Agostiano, Angela; Striccoli, Marinella; Curri, Maria L.subjectElectrostaticssubjectfunctionalizationsubjectnanocrystalssubjectnanoimprint lithographysubjectphotoluminescencesubjectself-assembly  
*Current nanoscience (Print)* 12 (2016): 386–395.

<https://dx.doi.org/10.2174/1573413712666151126203908>

**15)-Rod-coil block copolymer as nanostructuring compatibilizer for efficient CdSe NCs/PCPDTBT hybrid solar cells**

Zappia, Stefania; Di Mauro, A. Evelyn; Mastria, Rosanna; Rizzo, Aurora; Curri, M. Lucia; Striccoli, Marinella; Destri, SilviasubjectBlock copolymersubjectHybrid solar cellssubjectCdSe nanocrystalssubjectMorphologysubjectCompatibilizersubjectAnnealing  
*European Polymer Journal* 78 (2016): 352–363.

<https://dx.doi.org/10.1016/j.eurpolymj.2016.03.021>

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## Other publications (journals without peer review, book reviews,etc.)

### 1)-Photoconverters with organic semiconductors and photosynthetic bacteria: positioning the bacterial Reaction Center in nanostructures

Gianluca M. Farinola; Roberta Ragni; Francesco Milano; Simona La Gatta; Roberto R. Tangorra; Maurizio Mastropasqua Talamo; Marco Lo Presti; Angela Agostiano; Stefania R. Cicco; Alessandra Operamolla; Omar Hassan Omar; Massimo Trotta  
subjectBacteria ; Nanostructures ; Organic semiconductors ; Chemicals ; Electrodes ; Electron holes ; Nanomaterials ; Photons ; Proteins

*Organic Sensors and Bioelectronics IX, San Diego (Ca), 25-28/08/2016*

<https://dx.doi.org/10.1117/12.2237411>

info:cnr-pdr/source/autori:Gianluca M. Farinola ; Roberta Ragni ; Francesco Milano ; Simona La Gatta ; Roberto R. Tangorra ; Maurizio Mastropasqua Talamo ; Marco Lo Presti ; Angela Agostiano ; Stefania R. Cicco ; Alessandra Operamolla ; Omar Hassan Omar ; Massimo Trotta/congresso\_nome:Organic Sensors and Bioelectronics IX/congresso\_luogo:San Diego (Ca)/congresso\_data:25-28/08/2016/anno:2016/pagina\_da:/pagina\_a:/intervallo\_pagine:

### 2)-Heptamethine cyanine dyes working as light harvesting antennas in biohybrid photosynthetic assemblies

S. la Gatta; G.M. Farinola; A. Agostiano; F. Milano; R. Ragni; M. Trotta  
subjectReaction centers  
subjectorganic biological hybrids

*First Joint Congress of the French and Italian Photochemists and Photobiologists, pp. 33, Bari (Italy), 19-22/09/2016*

<http://www.cnr.it/prodotto/i/360308>

info:cnr-pdr/source/autori:S. la Gatta, G.M. Farinola, A. Agostiano, F. Milano, R. Ragni and M. Trotta/congresso\_nome:First Joint Congress of the French and Italian Photochemists and Photobiologists/congresso\_luogo:Bari (Italy)/congresso\_data:19-22/09/2016/anno:2016/pagina\_da:33/pagina\_a:/intervallo\_pagine:33

### 3)-Heptamethine cyanine dyes working as light harvesting antennas in biohybrid photosynthetic assemblies

S. la Gatta; G.M. Farinola; A. Agostiano; F. Milano; R. Ragni; M. Trotta  
subjectreaction centers  
subjectorganic biological hybrids

*6th EuCheMS Chemistry Congress, 11-15/09/2016, Sivilla (Spain)*

<http://www.cnr.it/prodotto/i/360309>

info:cnr-pdr/source/autori:S. la Gatta, G.M. Farinola, A. Agostiano, F. Milano, R. Ragni and M. Trotta/congresso\_nome:6th EuCheMS Chemistry Congress/congresso\_luogo:11-15/09/2016/congresso\_data:Sivilla (Spain)/anno:2016/pagina\_da:/pagina\_a:/intervallo\_pagine:

### 4)-Garnishing the photosynthetic reaction center to improve performances

Simona la Gatta; Francesco Milano; Alessandra Operamolla; Omar Hassan Omar; Roberta Ragni; Angela Agostiano; Massimo Trotta; Gianluca M. Farinola  
subjectreaction centers  
subjectorganic biological hybrids

*ENERCHEM-1, Firenze (Italy), 19-20/02/2016*

<http://www.cnr.it/prodotto/i/360310>

info:cnr-pdr/source/autori:Simona la Gatta, Francesco Milano, Alessandra Operamolla, Omar Hassan Omar, Roberta Ragni, Angela Agostiano, Massimo Trotta, Gianluca M. Farinola/congresso\_nome:ENERCHEM-1/congresso\_luogo:Firenze (Italy)/congresso\_data:19-20/02/2016/anno:2016/pagina\_da:/pagina\_a:/intervallo\_pagine:

#### **5)-A mediatorless photoelectrochemical cell based on LIFT-immobilized Reaction Centers for the amperometric detection of herbicides**

L. Giotta; F. Milano; M. Chatzipetrou; D. Chirizzi; M. Trotta; I. Zergioti; M. R. Guascito  
subjectReaction centers  
subjectphotoelectrochemistry

*XLIV Congresso della Divisione di Chimica Fisica della SCI, Napoli, 20-23 Settembre 2016*

<http://www.cnr.it/prodotto/i/360651>

info:cnr-pdr/source/autori:L. Giotta, F. Milano, M. Chatzipetrou, D. Chirizzi, M. Trotta, I. Zergioti, M. R. Guascito/congresso\_nome:XLIV Congresso della Divisione di Chimica Fisica della SCI/congresso\_luogo:Napoli/congresso\_data:20-23 Settembre 2016/anno:2016/pagina\_da:/pagina\_a:/intervallo\_pagine:

#### **6)-TiO<sub>2</sub> Nanocrystals Decorated CVD Graphene Based Hybrid for UV-Light Active Photoanodes**

Ingrosso, C.; Bianco, G. V.; Pifferi, V.; Guffanti, P.; Petronella, F.; Comparelli, R.; Agostiano, A.; Agostiano, A.; Striccoli, M.; Palchetti, I.; Falciola, L.; Curri, M. L.; Bruno, G.  
subjectcolloidal nanocrystal  
subjectCVD graphenes  
subjecthybrid materials  
subjectUV active photoanode

*12th IEEE International Conferenee on Nano/Miero Engineered and Moleeular Systems, pp. 396–402, 9-12/04/2017*

<http://dx.doi.org/10.1016/j.proeng.2016.11.180>

info:cnr-pdr/source/autori:Ingrosso, C.; Bianco, G. V.; Pifferi, V.; Guffanti, P.; Petronella, F.; Comparelli, R.; Agostiano, A.; Agostiano, A.; Striccoli, M.; Palchetti, I.; Falciola, L.; Curri, M. L.; Bruno, G./congresso\_nome:12th IEEE International Conferenee on Nano/Miero Engineered and Moleeular Systems/congresso\_luogo:/congresso\_data:9-12/04/2017/anno:2016/pagina\_da:396/pagina\_a:402/intervallo\_pagine:396–402

#### **7)-Hybrid interfaces for electron and energy transfer based on photosynthetic proteins**

Roberto Tangorra, R.; Antonucci, Alessandra; Milano, Francesco; La Gatta, Simona; Farinola, Gianluca M.; Agostiano, Angela; Agostiano, Angela; Ragni, Roberta; Trotta, Massimo  
subjectphotosynthesis

*Handbook of Photosynthesis, edited by Mohammad Pessaraki, pp. 201–220, 2016*

<http://www.scopus.com/record/display.url?eid=2-s2.0-85011099533&origin=inward>

info:cnr-pdr/source/autori:Roberto Tangorra, R.; Antonucci, Alessandra; Milano, Francesco; La Gatta, Simona; Farinola, Gianluca M.; Agostiano, Angela; Agostiano, Angela; Ragni, Roberta; Trotta, Massimo/titolo:Hybrid interfaces for electron and energy transfer based on photosynthetic proteins/titolo\_volume:Handbook of Photosynthesis/curatori\_volume:Mohammad Pessarakli/editore:/anno:2016